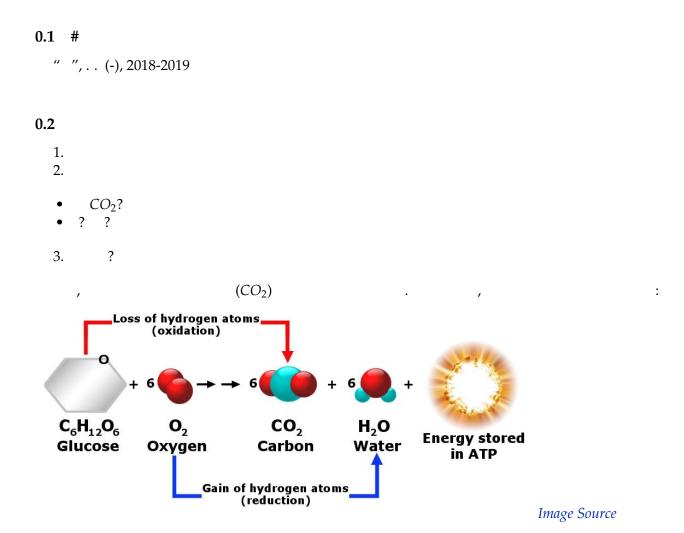
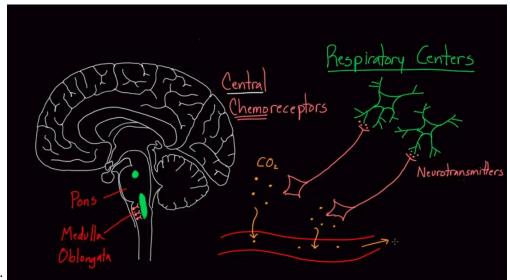
Ventilation Control

January 17, 2019





 CO_2 Image

Source

(pons) , , . (pons Varolii) - Costanzo Varolio (1543-75). , (medulla oblongata), (pons) - sulcus bulbopontinus, 6-, 7- 8-, - striae medullares.

() ,,..,.. - https://medpedia.framar.bg/

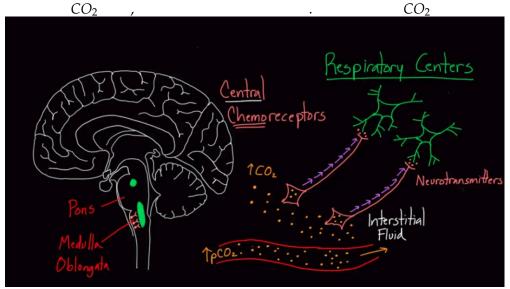


Image Source

,
$$CO_{2}$$
 (m) (V_{n}) .
 CO_{2} (C_{n}) :
 $C_{n+1} - Cn = m - \beta V_{n}$ (1)
 (V_{n}) , , CO_{2} - (C_{n-1}) , ... CO_{2} , . :
 $V_{n} = \alpha C_{n-1}$, $\alpha > 0$ (2)
, "" (-) , ...
 $C \ V$, CO_{2} (C_{n}) 0 (, $C_{n+1} = C_{n}$, $V_{n+1} = V_{n}$), (1) , :
 $m - \beta \bar{V} = 0 \implies \bar{V} = \frac{m}{\beta}$
(2) $C: \bar{C} = \frac{m}{\alpha \beta}$.